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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JUL 20 Powerful new interactive analysis and visualization software,
STN AnaVist, now available
NEWS 4 AUG 11 STN AnaVist workshops to be held in North America
NEWS 5 AUG 30 CA/CAplus -Increased access to 19th century research documents
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 8 OCT 03 MATHDI removed from STN
NEWS 9 OCT 04 CA/CAplus-Canadian Intellectual Property Office (CIPO) added
to core patent offices
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download
of CAplus documents for use in third-party analysis and
visualization tools
NEWS 13 OCT 27 Free KWIC format extended in full-text databases
NEWS 14 OCT 27 DIOGENES content streamlined
NEWS 15 OCT 27 EPFULL enhanced with additional content

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 08:08:06 ON 08 NOV 2005

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:08:26 ON 08 NOV 2005
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 6 NOV 2005 HIGHEST RN 866821-44-5
DICTIONARY FILE UPDATES: 6 NOV 2005 HIGHEST RN 866821-44-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "MEBENDAZOLE"/CN 25
E1 1 MEBAVIN/CN
E2 1 MEBEDROL/CN
E3 1 --> MEBENDAZOLE/CN
E4 1 MEBENDAZOLE NITRATE/CN
E5 1 MEBENFORMIN/CN
E6 1 MEBENIL/CN
E7 1 MEBENIT/CN
E8 1 MEBENOSIDE/CN
E9 1 MEBENVET/CN
E10 1 MEBERYT/CN
E11 1 MEBETIDE/CN
E12 1 MEBETIZOL/CN
E13 1 MEBETIZOLE/CN
E14 1 MEBETUS/CN
E15 1 MEBEVERINE/CN
E16 1 MEBEVERINE HYDROCHLORIDE/CN
E17 1 MEBEX/CN
E18 1 MEBEZONIUM IODIDE/CN
E19 1 MEBHYDROLIN/CN
E20 1 MEBHYDROLIN DISULFONATE/CN
E21 1 MEBHYDROLIN N-OXIDE/CN
E22 1 MEBHYDROLIN NAPADISYLATE/CN
E23 1 MEBHYDROLINE N-OXIDE HYDROCHLORIDE/CN
E24 1 MEBICAR/CN
E25 1 MEBICAR A/CN

=> S E3

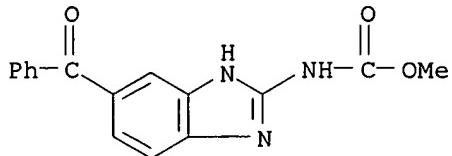
L1 1 MEBENDAZOLE/CN

=> DIS L1 1 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 31431-39-7 REGISTRY
CN Carbamic acid, (5-benzoyl-1H-benzimidazol-2-yl)-, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Benzimidazolecarbamic acid, 5-benzoyl-, methyl ester (8CI)
OTHER NAMES:
CN (5-Benzoyl-1H-benzimidazol-2-yl)carbamic acid methyl ester
CN 5-Benzoyl-2-benzimidazolecarbamic acid methyl ester
CN Bantenol
CN Besantin
CN Equivurm Plus
CN Lomper
CN Mebendazole
CN Mebenvet
CN Mebex
CN Methyl 5-benzoyl-2-benzimidazolecarbamate
CN Methyl 5-benzoyl-2-benzimidazolylcarbamate
CN Noverme
CN NSC 184849
CN Ovitelmin
CN Pantelmin
CN R 17635
CN Telmin
CN Vermicidin
CN Vermirax
CN Vermox
CN Verpanyl
FS 3D CONCORD
DR 52776-90-6
MF C16 H13 N3 O3
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB,
CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES,
DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS,
IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR,
PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPATFULL,
VETU
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CPlus document type: Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP
(Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);
PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

901 REFERENCES IN FILE CA (1907 TO DATE)
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 901 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	6.87	7.08	

FILE 'CAPLUS' ENTERED AT 08:09:14 ON 08 NOV 2005
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FILE COVERS 1907 - 8 Nov 2005 VOL 143 ISS 20
 FILE LAST UPDATED: 7 Nov 2005 (20051107/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
 They are available for your review at:

<http://www.cas.org/infopolicy.html>

```
=> s 11
L2      901 L1

=> s cancer? or tumor? or neoplas?
      274515 CANCER?
      407792 TUMOR?
      428147 NEOPLAS?
L3      675215 CANCER? OR TUMOR? OR NEOPLAS?

=> s 13 (1) 12
L4      10 L3 (L) L2

=> s apopto? or (cell death)
      112734 APOPTO?
      1983301 CELL
      1742954 CELLS
      2634207 CELL
                  (CELL OR CELLS)
```

127711 DEATH
10360 DEATHS
135132 DEATH
(DEATH OR DEATHS)
53844 CELL DEATH
(CELL(W) DEATH)
L5 135217 APOPTO? OR (CELL DEATH)

=> s 14 not py>2000
5160221 PY>2000
L6 3 L4 NOT PY>2000

=> d ibib 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1985:571465 CAPLUS
DOCUMENT NUMBER: 103:171465
TITLE: Computer-assisted structure-anticancer activity correlations of carbamates and thiocarbamates
AUTHOR(S): Nasr, Mohamed; Paull, Kenneth D.; Narayanan, V. L.
CORPORATE SOURCE: Starks C. P., Rockville, MD, 20852, USA
SOURCE: Journal of Pharmaceutical Sciences (1985), 74(8), 831-6
CODEN: JPMSAE; ISSN: 0022-3549
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1977:83665 CAPLUS
DOCUMENT NUMBER: 86:83665
TITLE: Embryotoxic and antimitotic properties of benzimidazole compounds
AUTHOR(S): Delatour, P.; Richard, Y.
CORPORATE SOURCE: Lab. Toxicol. Virol., Ec. Natl. Vet. Lyon, Lyons, Fr.
SOURCE: Therapie (1976), 31(4), 505-15
CODEN: THERAP; ISSN: 0040-5957
DOCUMENT TYPE: Journal
LANGUAGE: French

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1976:144910 CAPLUS
DOCUMENT NUMBER: 84:144910
TITLE: Embryotoxic and antimitotic properties of parbendazole, mebendazole and cambendazole
AUTHOR(S): Delatour, Paul; Lorgue, Guy; Lapras, Michel; Richard, Yves
CORPORATE SOURCE: Lab. Toxicol., Ec. Natl. Vet. Lyon, Lyons, Fr.
SOURCE: Comptes Rendus des Seances de l'Academie des Sciences, Serie D: Sciences Naturelles (1976), 282(5), 517-18
CODEN: CHDDAT; ISSN: 0567-655X
DOCUMENT TYPE: Journal
LANGUAGE: French

=> d ibib abs 1

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1985:571465 CAPLUS
DOCUMENT NUMBER: 103:171465
TITLE: Computer-assisted structure-anticancer activity correlations of carbamates and thiocarbamates
AUTHOR(S): Nasr, Mohamed; Paull, Kenneth D.; Narayanan, V. L.
CORPORATE SOURCE: Starks C. P., Rockville, MD, 20852, USA
SOURCE: Journal of Pharmaceutical Sciences (1985), 74(8),

831-6
CODEN: JPMSAE; ISSN: 0022-3549

DOCUMENT TYPE:

Journal

LANGUAGE:

English

AB With the aid of the computer, .apprx.8000 compds. that incorporate a carbamate or thiocarbamate moiety, which have been tested as potential anticancer agents at the National Cancer Institute (NCI), were classified and their structure-activity correlations against the in vivo P-388 and L-1210 leukemias were evaluated. Aromatic carbamates and thiocarbamates had good activity against P-388 and poor activity against L-1210. The majority of active compds. in this series of aromatic carbamates possessed a 2- or 4-heteroatom-substituted Ph attached to the carbamate O atom or the thiocarbamate S atom with the carbamate N atom as NHMe. The N-Ph carbamates were much less active against P-388 than the Ph carbamates; only bis-N-Ph carbamates with a methylene bridge between the 2 Ph groups showed good activity against both P-388 and L-1210 leukemias. Except for the mycophenolic acid carbamates, the fused Ph carbamates showed poor activity against both P-388 and L-1210 leukemias. Certain N-heterocyclic carbamates and carbamates with heteroatom substituents were selected by the NCI for development toward clin. trials. The nature of the heterocyclic carrier and the position of attachment to the carbamate moiety have a major role on the mode of action of the antitumor activity of these compds.

=> d his

(FILE 'HOME' ENTERED AT 08:08:06 ON 08 NOV 2005)

FILE 'REGISTRY' ENTERED AT 08:08:26 ON 08 NOV 2005
E "MEBENDAZOLE"/CN 25

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 08:09:14 ON 08 NOV 2005

L2 901 S L1
L3 675215 S CANCER? OR TUMOR? OR NEOPLAS?
L4 10 S L3 (L) L2
L5 135217 S APOPTO? OR (CELL DEATH)
L6 3 S L4 NOT PY>2000

=> s 15 (1) 12
L7 1 L5 (L) L2

=> d ibib 1

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:69732 CAPLUS
DOCUMENT NUMBER: 139:30325
TITLE: The anthelmintic drug mebendazole induces mitotic arrest and apoptosis by depolymerizing tubulin in non-small cell lung cancer cells
AUTHOR(S): Sasaki, Ji-ichiro; Ramesh, Rajagopal; Chada, Sunil;
Gomyo, Yoshihito; Roth, Jack A.; Mukhopadhyay, Tapas
CORPORATE SOURCE: Section of Thoracic Molecular Oncology, Departments of Thoracic and Cardiovascular Surgery, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 77030, USA
SOURCE: Molecular Cancer Therapeutics (2002), 1(13), 1201-1209
CODEN: MCTOCF; ISSN: 1535-7163
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 14 not py>2001
4214799 PY>2001
L8 3 L4 NOT PY>2001

=> s 14 not py>2002
3226675 PY>2002
L9 5 L4 NOT PY>2002

=> d ibib 1-2

L9 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:69732 CAPLUS
DOCUMENT NUMBER: 139:30325
TITLE: The anthelmintic drug mebendazole induces mitotic arrest and apoptosis by depolymerizing tubulin in non-small cell lung cancer cells
AUTHOR(S): Sasaki, Ji-ichiro; Ramesh, Rajagopal; Chada, Sunil; Gomyo, Yoshihito; Roth, Jack A.; Mukhopadhyay, Tapas
CORPORATE SOURCE: Section of Thoracic Molecular Oncology, Departments of Thoracic and Cardiovascular Surgery, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 77030, USA
SOURCE: Molecular Cancer Therapeutics (2002), 1(13), 1201-1209
CODEN: MCTOFC; ISSN: 1535-7163
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:781148 CAPLUS
DOCUMENT NUMBER: 138:331299
TITLE: Mebendazole elicits a potent antitumor effect on human cancer cell lines both in vitro and in vivo
AUTHOR(S): Mukhopadhyay, Tapas; Sasaki, Ji-ichiro; Ramesh, Rajagopal; Roth, Jack A.
CORPORATE SOURCE: Department of Thoracic and Cardiovascular Surgery, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 77030, USA
SOURCE: Clinical Cancer Research (2002), 8(9), 2963-2969
CODEN: CCREF4; ISSN: 1078-0432
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s pctfull
0 PCTFULL
L10 0 PCTFULL

=> file pctfull
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 31.75 38.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL
ENTRY SESSION
CA SUBSCRIBER PRICE -0.73 -0.73

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FILE LAST UPDATED: 2 NOV 2005 <20051102/UP>
MOST RECENT UPDATE WEEK: 200543 <200543/EW>
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> KWIC format free of charge - SEE NEWS >>>

=> s mebendazole/cn
'CN' IS NOT A VALID FIELD CODE
L11 0, MEBENDAZOLE/CN

=> s mebendazole
L12 350 MEBENDAZOLE

=> s cancer? or tumor? or neoplas?
72762 CANCER?
60978 TUMOR?
20988 NEOPLAS?
L13 90821 CANCER? OR TUMOR? OR NEOPLAS?

=> s l13 and l12
L14 182 L13 AND L12

=> s l12/clm
L15 48 (MEBENDAZOLE/CLM)

=> s l13/clm
20486 CANCER?/CLM
14176 TUMOR?/CLM
3390 NEOPLAS?/CLM
L16 29499 (CANCER?/CLM OR TUMOR?/CLM OR NEOPLAS?/CLM)

=> s l16 and l15
L17 10 L16 AND L15

=> s l17 not py>2001
428385 PY>2001
L18 1 L17 NOT PY>2001

=> d ibib

L18 ANSWER 1 OF 1 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 1998018610 PCTFULL ED 20020514
TITLE (ENGLISH): EMBEDDING AND ENCAPSULATION OF CONTROLLED RELEASE
PARTICLES
TITLE (FRENCH): INCLUSION ET ENCAPSULATION DE PARTICULES A LIBERATION
CONTROLEE
INVENTOR(S): VAN LENGERICH, Bernhard, H.
PATENT ASSIGNEE(S): VAN LENGERICH, Bernhard, H.
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9818610	A1	19980507

DESIGNATED STATES
W: AU CA JP NO PL US AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE
APPLICATION INFO.: WO 1997-US18984 A 19971027
PRIORITY INFO.: US 1996-60/029,038 19961028

=> d kwic

L18 ANSWER 1 OF 1 PCTFULL COPYRIGHT 2005 Univentio on STN

CLMEN. . . mafenide acetate, magaldoate, magnesium carbonate,
 magnesiumchloride,
 magnesium gluconate, magnesium oxide, other magnesium salts, malathion,
 manganese salts, manganese, maprotiline hydrochloride, mazindol, measles
 virus
 vaccine, mebendazole, mebrofenin, mecamylamine hydrochloride,
 meclizine
 hydrochloride, mecloxycline, meclofenamate sodium, medroxyprogesterone
 acetate, mefenamic acid, megestrol acetate, meglumine, melphalan,
 menadiol
 sodium diphosphate, menadione, menotropine, meperidine, mephentytoin,
 mephobarbital, . . .
 . . .
 antibiotics, nutritional supplements, enzymes, fonnations
 containing zidovudine, macromolecular polypeptides, aromatic nitro and
 nitroso
 compounds and their metabolites useful as anti-viral and anti
 tumor agents, HIV
 protease inhibitors, antibiotics, viruses, pigments, steroids,
 oligopeptides,
 dipeptides, amino acids, flavor components, fragrance components,
 detergents
 and surface-active components, lipid derivatives of. . .

=> d his

(FILE 'HOME' ENTERED AT 08:08:06 ON 08 NOV 2005)

FILE 'REGISTRY' ENTERED AT 08:08:26 ON 08 NOV 2005
 E "MEBENDAZOLE"/CN 25

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 08:09:14 ON 08 NOV 2005

L2 901 S L1
 L3 675215 S CANCER? OR TUMOR? OR NEOPLAS?
 L4 10 S L3 (L) L2
 L5 135217 S APOPTO? OR (CELL DEATH)
 L6 3 S L4 NOT PY>2000
 L7 1 S L5 (L) L2
 L8 3 S L4 NOT PY>2001
 L9 5 S L4 NOT PY>2002
 L10 0 S PCTFULL

FILE 'PCTFULL' ENTERED AT 08:14:06 ON 08 NOV 2005

L11 0 S MEBENDAZOLE/CN
 L12 350 S MEBENDAZOLE
 L13 90821 S CANCER? OR TUMOR? OR NEOPLAS?
 L14 182 S L13 AND L12
 L15 48 S L12/CLM
 L16 29499 S L13/CLM
 L17 10 S L16 AND L15
 L18 1 S L17 NOT PY>2001

=> s l12/ab

L19 2 (MEBENDAZOLE/AB)

=> s 119 and 113
L20 2 L19 AND L13

=> d ibib 1-2

L20 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 2005018623 PCTFULL ED 20050309 EW 200509
TITLE (ENGLISH): PARENTERAL AND ORAL FORMULATIONS OF BENZIMIDAZOLES
TITLE (FRENCH): FORMULATIONS PARENTERALES ET ORALES DE BENZIMIDAZOLES
INVENTOR(S): CHOW, Diana, Shu-Lian, 11730 Winshire Circle, Houston,
TX 77024, US [CA, US];
LIANG, Dong, 11504 Ivory Creek Drive, Pearland, TX
77584, US [US, US]
PATENT ASSIGNEE(S): THE UNIVERSITY OF HOUSTON, 4800 Calhoun Road, Houston,
TX 77204, US [US, US], for all designates States except
US;
CHOW, Diana, Shu-Lian, 11730 Winshire Circle, Houston,
TX 77024, US [CA, US], for US only;
LIANG, Dong, 11504 Ivory Creek Drive, Pearland, TX
77584, US [US, US], for US only
AGENT: HIGHLANDER, Steven, L.S., Fulbright & Jaworski, LLP, 600
Congress Avenue, Suite 2400, Austin, Texas 78701\$, US
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:
NUMBER KIND DATE

WO 2005018623 A2 20050303
DESIGNATED STATES
W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC
VN YU ZA ZM ZW
RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
MC NL PL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.: WO 2004-US26168 A 20040812
PRIORITY INFO.: US 2003-60/640,467 20030813
L20 ANSWER 2 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 2004047842 PCTFULL ED 20040615 EW 200424
TITLE (ENGLISH): TREATMENT OF IMMUNE SYSTEM DYSFUNCTION
TITLE (FRENCH): TRAITEMENT D'UN DYSFONCTIONNEMENT DU SYSTEME
IMMUNITAIRE
INVENTOR(S): SCHEEPERS, Charles, 101 Lynwool Flats, Hope Street,
8001 Cape Town, ZA [ZA, ZA]
PATENT ASSIGNEE(S): MOORE, Bronwyn, 8 Oak Street, 7925 Observatory, ZA [ZA,
ZA], for all designates States except US;
MOORE, David, Daniel, 8 Oak Street, 7925 Observatory,
ZA [ZA, ZA], for all designates States except US;
SCHEEPERS, Charles, 101 Lynwool Flats, Hope Street,
8001 Cape Town, ZA [ZA, ZA], for US only
AGENT: TRUTER, Kenneth, Colin\$, Adams & Adams, 3203 Absa Bank
Building, Heerengracht, P O Box 1513, 8001 Cape Town\$,
ZA
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES	WO 2004047842	A1	20040610
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2003-IB3888	A	20030912
PRIORITY INFO.:	ZA 2002-2002/9680		20021128

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.68	46.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

STN INTERNATIONAL LOGOFF AT 08:16:58 ON 08 NOV 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	"Ask CAS" for self-help around the clock
NEWS 3 JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS 4 AUG 11	STN AnaVist workshops to be held in North America
NEWS 5 AUG 30	CA/CAplus -Increased access to 19th century research documents

NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 8 OCT 03 MATHDI removed from STN
NEWS 9 OCT 04 CA/Cplus-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download of Cplus documents for use in third-party analysis and visualization tools
NEWS 13 OCT 27 Free KWIC format extended in full-text databases
NEWS 14 OCT 27 DIOGENES content streamlined
NEWS 15 OCT 27 EPFULL enhanced with additional content

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:29:40 ON 08 NOV 2005

FILE 'REGISTRY' ENTERED AT 10:29:55 ON 08 NOV 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 NOV 2005 HIGHEST RN 866821-44-5

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THIS INFORMATION IS CURRENT THROUGH JULY 11, 2000

Please note that search term pricing does apply when conducting SmartSELECT searches.

* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *

* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

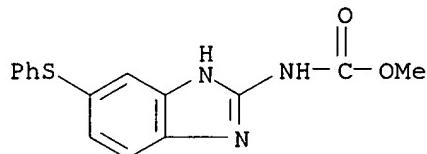
```
=> E "FENBENDAZOLE"/CN 25
E1      1    FENBAL 7/CN
E2      1    FENBENDAZOL/CN
E3      1 --> FENBENDAZOLE/CN
E4      1    FENBENDAZOLE SULFONE/CN
E5      1    FENBENDAZOLE SULFOXIDE/CN
E6      1    FENBENICILLIN POTASSIUM SALT/CN
E7      1    FENBID/CN
E8      1    FENBION/CN
E9      1    FENBUCONAZOLE/CN
E10     1    FENBUFEN/CN
E11     1    FENBUFEN COA/CN
E12     1    FENBUFEN GLUCURONIDE/CN
E13     1    FENBUFEN METHYL ESTER/CN
E14     1    FENBUFEN SODIUM/CN
E15     1    FENBUTATIN OXIDE/CN
E16     1    FENBUTATIN OXIDE-IKI 220 MIXT./CN
E17     1    FENBUTRAZATE/CN
E18     1    FENBUTRAZATE HYDROCHLORIDE/CN
E19     1    FENBUTRAZATUM/CN
E20     1    FENC PROTEIN (BACILLUS AMYLOIQUEFACIENS STRAIN FZB42 GENE FENC
FENGYCIN SYNTHESI-ASSOCIATED)/CN
E21     1    FENCAMFAMIN/CN
E22     1    FENCAMFAMIN HYDROCHLORIDE/CN
E23     1    FENCAMFAMINE/CN
E24     1    FENCAMFAMINE HYDROCHLORIDE/CN
E25     1    FENCAMFAMINUM/CN
```

```
=> S E3
L1      1 FENBENDAZOLE/CN
```

```
=> DIS L1 1 SQIDE
THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y
```

```
L1  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN  43210-67-9  REGISTRY
CN  Carbamic acid, [5-(phenylthio)-1H-benzimidazol-2-yl]-, methyl ester (9CI)
    (CA INDEX NAME)
OTHER NAMES:
CN  2-(Methoxycarbonylamino)-5-(phenylthio)benzimidazole
CN  Febendazole
CN  Fenbendazol
CN  Fenbendazole
CN  Fenbion
CN  HOE 881
CN  Methyl 5-(phenylthio)-2-benzimidazolecarbamate
CN  Methyl [5-(phenylthio)-1H-benzimidazol-2-yl]carbamate
CN  Panacur
```

CN Safe-Guard
 FS 3D CONCORD
 DR 53571-02-1
 MF C15 H13 N3 O2 S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT,
 IFIUDB, IPA, MEDLINE, MRCK*, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO,
 TOXCENTER, ULIDAT, USAN, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CPlus document type: Conference; Dissertation; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); PREP (Preparation); PROC (Process)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

647 REFERENCES IN FILE CA (1907 TO DATE)
 8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 648 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.73	7.94

STN INTERNATIONAL LOGOFF AT 10:31:28 ON 08 NOV 2005